

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	1	(IP\$1sec\$4 or (internet protocol security)) and (security sequence value)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/13 11:35
L4	149	(IP\$1sec\$4 or (internet protocol security)) and (security near2 value)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/13 11:35
L5	51	(IP\$1sec\$4 or (internet protocol security)) and (security adj2 value)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/13 11:37
L6	1	(IP\$1sec\$4 or (internet protocol security)) and (security adj2 value) and re\$1synchroniz\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/13 11:37
L7	1	(IP\$1sec\$4 or (internet protocol security)) and (security near2 value) and re\$1synchroniz\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/13 11:38
L8	25	(IP\$1sec\$4 or (internet protocol security)) and (security near2 value) and synchroniz\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/13 12:12
L9	3	(IP\$1sec\$4 or (internet protocol security)) and (sequence value) and anti\$1replay	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/13 12:14
L10	20	(IP\$1sec\$4 or (internet protocol security)) and (sequence value) and spoof\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/13 12:15
L11	1	(IP\$1sec\$4 or (internet protocol security)) and (security sequence value) and spoof\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/13 12:15

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S1	5392	resynchroniz\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 08:31
S3	0	(resynchroniz\$3 and @ad < "20010629") and ("security sequence value")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 11:46
S4	79	(resynchroniz\$3 and @ad < "20010629") and ("sequence value")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 10:17
S7	23	((resynchroniz\$3 or reestablish\$4) with communicat\$3) and @ad < "20010629") and ("sequence value")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 10:17
S8	0	(((((resynchroniz\$3 or reestablish\$4) with communicat\$3) and @ad < "20010629") and ("sequence value"))) and acknowledg\$4) and authenticat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 10:19
S9	0	(((((resynchroniz\$3 or reestablish\$4) with communicat\$3) and @ad < "20010629") and ("sequence value"))) and acknowledg\$4) and (detect\$4 with (desynchroniz\$3 or disconnect\$3 or disrupt\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 10:20
S10	1	(((((resynchroniz\$3 or reestablish\$4) with communicat\$3) and @ad < "20010629") and ("sequence value"))) and acknowledg\$4) and ((desynchroniz\$3 or disconnect\$3 or disrupt\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 10:23
S11	0	(((((resynchroniz\$3 or reestablish\$4) with communicat\$3) and @ad < "20010629") and ("sequence value"))) and acknowledg\$4) and ("low power state")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 10:23
S12	17	(((((resynchroniz\$3 or reestablish\$4) with communicat\$3) and @ad < "20010629") and ("sequence value"))) and acknowledg\$4) and ("low power")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 10:24

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S13	18	(((((resynchroniz\$3 or reestablish\$4) with communicat\$3) and @ad < "20010629") and ("sequence value"))) and acknowledg\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 11:01
S14	32	((resynchroniz\$3 and @ad < "20010629") and ("sequence value"))) and acknowledg\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 11:45
S15	8	resynchroniz\$4 with ("power loss" or "low power")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 12:51
S16	1	(resynchroniz\$4 with ("power loss" or "low power")) and ("security sequence value")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 12:52
S17	8	(resynchroniz\$4 or "re establish\$4") with ("power loss" or "low power")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 13:11
S18	1	((resynchroniz\$4 or "re establish\$4") with ("power loss" or "low power")) and ("sequence value")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 12:52
S19	7	((resynchroniz\$4 or "re establish\$4") with ("power loss" or "low power")) and @ad < "20010629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 15:18
S20	0	(resynchroniz\$4 or "re establish\$4") with ("power near2 loss" or "low near2 power" or "signal near2 loss")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 13:13
S21	0	(resynchroniz\$4 or "re establish\$4") with ("signal near2 loss")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 13:12
S22	22	(resynchroniz\$4 or "re establish\$4") with ((power near2 loss) or (low near2 power) or (signal near2 loss))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 13:13

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S23	21	((resynchroniz\$4 or "re establish\$4") with ((power near2 loss) or (low near2 power) or (signal near2 loss))) and @ad < "20010629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 13:14
S24	24	("sequence value" with ("data packet" or "data block"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 15:18
S25	1	((("sequence value" with ("data packet" or "data block")))) and 380/260.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 15:18
S26	14	((("sequence value" with ("data packet" or "data block")))) and @ad < "20010629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 16:01
S27	2	stor\$3 with ("sequence value" with resynchroniz\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 15:46
S28	1	(reestablish\$3 or "re establish\$5") with ("sequence value")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 15:47
S29	3	(reestablish\$3 or "re establish\$5" or resynchroniz\$5) with ("sequence value")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 15:52
S30	4	(reestablish\$3 or "re establish\$5" or resynchroniz\$5) same ("sequence value")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 15:54
S31	1	((reestablish\$3 or "re establish\$5" or resynchroniz\$5) and ("sequence value")) and 380/260.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 15:55
S32	200	(reestablish\$3 or "re establish\$5" or resynchroniz\$5) and ("sequence value")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 15:55

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S33	135	((reestablish\$3 or "re establish\$5" or resynchroniz\$5) and ("sequence value")) and @ad < "20010629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/26 16:20
S34	14	((((reestablish\$3 or "re establish\$5" or resynchroniz\$5) and ("sequence value")) and @ad < "20010629") and (acknowledg\$5 with "sequence value"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/27 10:58
S35	2	"sequence value" with (resynchroniz\$4 or reestablish\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/27 10:59
S36	21	"sequence value" with (synchroniz\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/27 10:59
S37	17	("sequence value" with (synchroniz\$4)) and @ad < "20010629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/27 12:56
S38	13	"anti replay" with IPsec	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/27 12:56
S39	4	("anti replay" with IPsec) and @ad < "20010629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/10/27 12:56
S42	9	(resynchroniz\$3 or re\$1synchroniz\$3) same ((power near2 loss) or disconnect\$3 or error) and (resynchroniz\$4 adj (value or code or number or digits))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/04 15:29
S43	672	(send\$3 or transmit\$4 or receiv\$3 or forward\$3) with (sequence adj value)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/04 15:31

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S44	27	(send\$3 or transmit\$4 or receiv\$3 or forward\$3) with (sequence adj value) and (IPsec or "internet protocol security" or IETF or "internet engineering task force" or "network security")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/04 15:40
S46	0	(send\$3 or transmit\$4 or receiv\$3 or forward\$3) with (re\$1synchroniz\$3 adj value) and (IPsec or "internet protocol security" or IETF or "internet engineering task force" or "network security")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/04 15:41
S47	13	(re\$1synchroniz\$3 adj value)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/04 15:44
S48	0	(re\$1synchroniz\$3 adj value) with request	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/04 15:44
S49	2	(re\$1synchroniz\$3 adj value) with (message or packet or "data block" or block)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/04 15:46
S50	137	380/260.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/04 15:51
S52	1722	709/201.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/04 15:54
S54	32	S52 and re\$1synchroniz\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/04 15:53
S55	458	"709"/\$.ccls. and re\$1synchroniz\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/04 15:54

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S60	38	"709"/\$.ccls. and re\$1synchroniz\$3 and ("network security" or IPsec or IETF) and ((power near2 loss) or disconnect\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/04 15:57
S61	37	"709"/\$.ccls. and re\$1synchroniz\$3 and (sequence) and ("network security" or IPsec or IETF) and ((power near2 loss) or disconnect\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/05 09:12
S62	33	713/201.ccls. and (RTP or real\$1time adj transport adj protocol)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/05 09:55
S63	10	713/201.ccls. and (RTP or real\$1time adj transport adj protocol) and (sequence adj (number or code or value))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/06 11:20
S64	2	"5001755".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/06 11:20
S65	102	stor\$4 near9 ((synchroniz\$5 or sequence) adj (value or number)) near9 (RAM or "random access memory" or nonvolatile)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/26 09:30
S66	1	stor\$4 near9 ((synchroniz\$5 or sequence) adj (value or number)) near9 (RAM or "random access memory" or nonvolatile) same re\$1synchroniz\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/26 09:31
S67	25	stor\$4 near9 ((synchroniz\$5 or sequence) adj (value or number)) same re\$1synchroniz\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/26 13:14
S68	2	ep-857842-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/26 13:14
S69	2	"20030002676".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/26 13:57

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S70	3	re\$1synchroniz\$4 same (send\$4 or transmit\$6) near8 (first near3 second) near4 (value\$1 or number\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/26 14:04
S71	0	re\$1synchroniz\$4 same (return\$4) near8 (first near3 second) near4 (value\$1 or number\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/26 14:02
S72	0	re\$1synchroniz\$4 same (acknowledg\$4) near8 (first near3 second) near4 (value\$1 or number\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/26 14:03
S73	0	re\$1synchroniz\$4 same (send\$4 or transmit\$6) near8 (sender near4 receiver) near4 (value\$1 or number\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/26 14:04
S74	37	re\$1synchroniz\$4 and (send\$4 or transmit\$6) near8 (sender near4 receiver) near4 (value\$1 or number\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 14:22
S75	8	re\$1synchroniz\$4 same ((low\$1power) or (low\$1voltage))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 14:27
S76	37	re\$1synchroniz\$4 same ((power) near2 (outage or failure))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 14:33
S77	14	re\$1synchroniz\$4 same ((power) near2 (outage or failure)) and ((synchroniz\$4 or sequence) near2 (number or value or code))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 15:43
S78	58	re\$1synchroniz\$4 same ((synchroniz\$4 or sequence) near2 (number or value or code)) and ((power) near2 (outage or failure or down or off))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 14:39
S79	21	re\$1synchroniz\$4 same ((sequence) near2 (number or value or code)) and ((power) near2 (outage or failure or down or off))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 14:40

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S80	65	re\$1synchroniz\$4 and ((synchroniz\$4 or sequence) near2 (number or value or code)) and (IPsec or "Internet Protocol Security")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 16:07
S81	1	re\$1synchroniz\$4 and ((synchroniz\$4 or sequence) near2 (number or value or code)) same ((sav\$4 or stor\$4) near8 nonvolatile) and (IPsec or "Internet Protocol Security")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 15:47
S82	1	re\$1synchroniz\$4 and ((synchroniz\$4 or sequence) near2 (number or value or code)) same ((sav\$4 or stor\$4) near8 non\$1volatile) and (IPsec or "Internet Protocol Security")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 15:49
S83	1	re\$1synchroniz\$4 and ((synchroniz\$4 or sequence) near2 (number or value or code)) same ((sav\$4 or stor\$4) near8 (RAM or "random\$1access" or "random access memory" or non\$1volatile)) and (IPsec or "Internet Protocol Security")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 15:50
S84	27	re\$1synchroniz\$4 and ((synchroniz\$4 or sequence) near2 (number or value or code)) same ((sav\$4 or stor\$4) near8 (RAM or "random\$1access" or "random access memory" or non\$1volatile))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 15:50
S85	34	re\$1synchroniz\$4 and ((synchroniz\$4 or sequence) near2 (number or value or code)) and (IPsec or "Internet Protocol Security") and @ad <= "20010629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 16:04
S86	187	re\$1synchroniz\$4 and ((synchroniz\$4 or sequence) near2 (number or value or code)) and (IPsec or "Internet Protocol Security" or "IP security protocol" or "IP protocol")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 16:09
S87	89	re\$1synchroniz\$4 and ((synchroniz\$4 or sequence) near2 (number or value or code)) and (IPsec or "Internet Protocol Security" or "IP security protocol" or "IP protocol" or "IP security") and @ad <="20010629"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 16:09

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S88	141	380/260.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 16:59
S89	270	713/164.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 16:59
S90	1	713/164.ccls. and resynchronization	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 16:59
S91	13	713/164.ccls. and (resynchronization or re\$1establish\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 17:00
S92	0	714/709.ccls. and (resynchronization or re\$1establish\$4) and (sequence adj (number or value))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 17:02
S93	0	713/714.ccls. and (resynchronization or re\$1establish\$4) and (sequence adj (number or value))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 17:03
S94	0	713/713.ccls. and (resynchronization or re\$1establish\$4) and (sequence adj (number or value))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 17:03
S95	4	713/164.ccls. and (resynchronization or re\$1establish\$4) and (sequence adj (number or value))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/27 17:03
S96	2	"08245053"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/07 07:41
S97	6	"virtual route resynchronization"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/07 07:42

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S98	2	"5001755".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/26 14:35
S99	5	(secure near (sequence adj (value or number)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/07 10:01
S10 0	49	(secur\$4 near (sequence adj (value or number)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/07 10:02
S10 1	8	(IPsec or "IP security" or "internet protocol security") and authentication and(secur\$4 near (sequence adj (value or number)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/04/07 10:02
S10 2	2	"5001755".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2006/09/26 14:35




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[Implementing a distributed firewall](#)

Sotiris Ioannidis, Angelos D. Keromytis, Steve M. Bellovin, Jonathan M. Smith


November 2000 **Proceedings of the 7th ACM conference on Computer and communications security CCS '00**


Publisher: ACM Press

Full text available:  pdf(309.36 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: IKE, IP, IPsec, KeyNote, OpenBSD, access control, credentials, distributed, firewalls, network security, trust management


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[FIRE: flexible Intra-AS routing environment](#)

Craig Partridge, Alex C. Snoeren, W. Timothy Strayer, Beverly Schwartz, Matthew Condell, Isidro Castañeyra


August 2000 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Applications, Technologies, Architectures, and Protocols for Computer Communication SIGCOMM '00, Volume 30 Issue 4**


Publisher: ACM Press

Full text available:  pdf(107.75 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Current routing protocols are monolithic, specifying the algorithm used to construct forwarding tables, the metric used by the algorithm (generally some form of hop-count), and the protocol used to distribute these metrics as an integrated package. The Flexible Intra-AS Routing Environment (FIRE) is a link-state, intra-domain routing protocol that decouples these components. FIRE supports run-time-programmable algorithms and metrics over a secure link-state distribution protocol. By allow ...


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[When the CRC and TCP checksum disagree](#)

Jonathan Stone, Craig Partridge


August 2000 **ACM SIGCOMM Computer Communication Review , Proceedings of the conference on Applications, Technologies, Architectures, and Protocols for Computer Communication SIGCOMM '00, Volume 30 Issue 4**


Publisher: ACM Press

Full text available:  pdf(222.68 KB)

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Traces of Internet packets from the past two years show that between 1 packet in 1,100 and 1 packet in 32,000 fails the TCP checksum, even on links where link-level CRCs should catch all but 1 in 4 billion errors. For certain situations, the rate of checksum failures can be even higher: in one hour-long test we observed a checksum failure of 1 packet in 400. We investigate why so many errors are observed, when link-level CRCs should catch nearly all of them. We have collected near ...


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[FARA: reorganizing the addressing architecture](#)

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Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

sloppy This paper describes FARA, a new organization of, network architecture concepts. FARA (Forwarding directive, Association, and Rendezvous Architecture) defines an abstract model with



considerable generality and flexibility, based upon the decoupling of end-system names from network addresses. The paper explores the implications of FARA and the range of architecture instantiations that may be derived from FARA. As an illustration, the paper outlines a particular derived architecture, ...

Keywords: Architecture, Association, Instantiation, Mobility, Model, Modularity, Network, Rendezvous, Security

- 5 [Designing DCCP: congestion control without reliability](#)  Eddie Kohler, Mark Handley, Sally Floyd
August 2006 **ACM SIGCOMM Computer Communication Review , Proceedings of the 2006 conference on Applications, technologies, architectures, and protocols for computer communications SIGCOMM '06**, Volume 36 Issue 4
Publisher: ACM Press
Full text available:  pdf(240.61 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



Fast-growing Internet applications like streaming media and telephony prefer timeliness to reliability, making TCP a poor fit. Unfortunately, UDP, the natural alternative, lacks congestion control. High-bandwidth UDP applications must implement congestion control themselves—a difficult task—or risk rendering congested networks unusable. We set out to ease the safe deployment of these applications by designing a *congestion-controlled unreliable transport protocol*. The outcome, the Datagram ...



Keywords: DCCP, Internet telephony, TCP, congestion control, streaming media, transfer, transport protocols, unreliable

- 6 [Trust management for IPsec](#)  May 2002 **ACM Transactions on Information and System Security (TISSEC)**, Volume 5 Issue 2
Publisher: ACM Press
Full text available:  pdf(321.98 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

IPsec is the standard suite of protocols for network-layer confidentiality and authentication of Internet traffic. The IPsec protocols, however, do not address the policies for how protected traffic should be handled at security end points. This article introduces an efficient policy management scheme for IPsec, based on the principles of trust management. A compliance check is added to the IPsec architecture that tests packet filters proposed when new security associations are created for confo ...


Keywords: Credentials, IPsec, KeyNote, network security, policy, trust management

- 7 [Bootstrap network resynchronization \(extended abstract\)](#)  Yehuda Afek, Eli Gafni
July 1991 **Proceedings of the tenth annual ACM symposium on Principles of distributed computing PODC '91**
Publisher: ACM Press
Full text available:  pdf(1.01 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

- 8 [Resynchronization and controllability of bursty service requests](#)  Hani Jamjoom, Padmanabhan Pillai, Kang G. Shin
August 2004 **IEEE/ACM Transactions on Networking (TON)**, Volume 12 Issue 4
Publisher: IEEE Press
Full text available:  pdf(960.39 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

There is an increasing prevalence of interactive Web sessions in the Internet. These are mostly short-lived TCP connections that are delay-sensitive and have transfer times dominated by TCP backoffs, if any, during connection establishment. Unfortunately, arrivals of such connections at a server tend to be bursty, and can trigger multiple retransmissions, resulting in long average client-perceived delays. Traditional traffic control mechanisms, such as token bucket filters, are designed to compl ...

Keywords: TCP performance, traffic characterization, traffic control

- 9 [Computer applications in health care \(CAHC\): A clustering-based approach for prediction of cardiac resynchronization therapy](#)  Heng Huang, Li Shen, Fillia Makedon, Sheng Zhang, Mark Greenberg, Ling Gao, Justin Pearlman
March 2005 **Proceedings of the 2005 ACM symposium on Applied computing SAC '05**
Publisher: ACM Press
Full text available: Additional Information:



pdf(353.28 KB)

[full citation](#), [abstract](#), [references](#), [index terms](#)

This paper presents a method for predicting pacing sites in the left ventricle of a heart and its result can be used to assist device programming in cardiac resynchronization therapy (CRT), which is a widely adopted therapy for heart failure patients. In a traditional CRT device deployment, pacing sites are selected without quantitative prediction. That runs the risk of suboptimal benefits. In this work, a surface tracking method is proposed to describe the ventricular wall motion and a hierarch ...

Keywords: cardiac resynchronization therapy, clustering, computer assisted diagnosis and prognosis, data mining

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[Error resynchronization in producer-consumer systems](#)



David L. Russell, Thomas H. Bredt

November 1975

ACM SIGOPS Operating Systems Review , Proceedings of the fifth ACM symposium on operating systems principles SOSP '75, Volume 9 Issue 5

Publisher: ACM Press

Full text available: pdf(651.40 KB)

[Additional information](#): [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper is concerned with error processing for parallel producer-consumer interactions such as encountered in the desing of multi-process operating systems. Solutions to resynchronization problems that occur when a consumer process detects errors in information received from a producer process are presented. Fundamental properties of this error processing are discussed. It is shown that explicit error processing results in an increase in program complexity and a decrease in the ease of u ...

Keywords: Asynchronous programming, Error detection and recovery, Fault tolerance, Interprocess communication, Message facilities, Operating systems, Software reliability

Results 1 - 10 of 10

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